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said data stored in said memory means including data representative of three different views for each hole, including: (i) the entirety of said hole, (ii) the approach to a green associated with said hole, and (iii) the green including said hole;

locator means for [providing the processor means with] automatically determining the current location of the portable computer on the golf course; and

processor means, coupled to said locator means, display means, and [to said] memory means, for causing said display means to display a selected view and data of the particular hole as determined by its current location on the golf course.

Amend Claim 18 as follows:

Line 5, before "said" insert -- of --

Line 7, before "sensing", insert -- automatically --

Amend Claim 19 as follows:

SUB 35
19. (Amended)

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A portable golf computer comprising:

display means for displaying scenes representative of the geographic layout of a golf course;

memory means for storing data representative of a plurality of said scenes for each hole on the golf course;

position sensing means for sensing the location of the portable golf computer on said golf course; and

processor means, responsive to said position sensing means, for causing said display means to display a particular scene; and

[A portable gold computer as defined in claim 18, wherein] said position sensing means receives a signal from at least one earth orbiting satellite.

Amend Claim 36 as follows:

36. (Amended)

A golf replay apparatus comprising:

a portable golf computer means for use on a golf course for recording information of an individual player's actual performance while a player plays a game of golf on the golf course;
and

a replay means, responsive to said recorded information, for interactively reenacting said game of golf on an electronic display including means for using an alternate club for at least one stroke and determining the potential effect of such change on the previously played actual performance on the golf course.

Add Claims 37 - 54.

37. A portable golf computer as defined in claim 1, wherein said locator means receives a signal from at least one earth orbiting satellite.

38. A portable golf computer for indicating the user's location on a golf course, comprising:
display means for displaying information representative of the layout of a selected individual hole of a golf course;

memory means for storing data representative of a plurality of parameters for each hole on the golf course;

position sensing means which receives a signal from at least one earth orbiting satellite for automatically determining the location of the portable golf computer on the golf course; and


processor means, responsive to said position sensing means, for causing said display means to display information of said individual hole as referenced to the automatically determined current location of the user on the golf course.

39. A portable golf computer as defined in claim 38, wherein said display means indicates approaching topographical hazards along the selected hole, and the distance to said hazards.

40. A portable golf computer as defined in claim 38, further including means to formulate the user's route of successive strokes to reach the green from the automatically determined current location.

41. A portable golf computer as defined in claim 38, further including means for inputting individual player information into said memory means.

42. A portable golf computer as defined in claim 41, further including means to formulate the individual player's route of successive strokes to reach the green, based on the individual player's skills and automatically determined current location.

43. A portable golf computer as defined in claim 38, further including means for inputting the daily cup and tee positions.

44. A portable golf computer as defined in claim 38, further including means for measuring wind speed or direction and inputting same to said processor means.

45. A portable golf computer as defined in claim 38, further including means for measuring ambient temperature and inputting same to said processor.

46. A portable golf computer as set forth in claim 42, further including club selection means for advising the player of the specific golf club to be used while following the formulated route for the individual player.

47. A portable golf computer as set forth in claim 46, further including means for measuring wind speed or direction and inputting same to said processor means, and wherein said club selection means is adjusted for the measured wind speed or direction.

48. A portable golf computer as set forth in claim 46, further including means for measuring ambient temperature and inputting same to said processor, and wherein said club selection means is adjusted for the measured ambient temperature.

SUB 89
49. A mobile computer affixed to a movable object for indicating the current location of said movable object within a golf course, comprising:

a GPS receiver carried by said movable object as it traverses about the golf course;

said GPS receiver adapted to receive signals from a plurality of earth orbiting satellites within the GPS system and processing said signals to accurately determine its current location within the golf course, and

said mobile computer further including means for communicating its GPS determined current location.

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cont
50. A mobile computer as defined in claim 49 wherein said movable object is a golf cart.

51. A mobile computer as defined in claim 50, wherein said means for communicating current location includes a visual display means.

52. A mobile computer as set forth in claim 49, further including a wireless link to a central location.

SUB 10
53. A method for providing a golf course visual display which includes the current location of a movable object on the golf course, including the steps of:

affixing a GPS receiver to the movable object;

processing signals received by the GPS receiver from a plurality of earth orbiting

satellites within the GPS system to accurately determine its current location within the golf course;

communicating the current location of the movable object to a visual display; and

modifying the visual display to display information including the current location of the movable object.

54. A portable golf computer comprising:

display means for displaying scenes representative of the geographic layout of a golf course;

memory means for storing data representative of said scene for each hole on the golf course;

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said data stored in said memory means including data representative of different locations for each hole, including: (i) the entirety of said hole, (ii) the distance on the fairway between the current location and the hole and (iii) the green including said hole;

locator means which operates in conjunction with a signal means external of the fairway of the hole being played for determining the current location of the portable computer on the golf course; and

processor means, coupled to said display means, locator means and memory means, for causing said display means to display data representative of the current location on the particular hole.

REMARKS

Applicant has attended to the noted typographical informalities in the Specification. In accordance with the Examiner's request, a substitute Specification is herewith being submitted. Applicant's undersigned counsel hereby represents that this Specification corresponds to the originally filed Specification and does not contain any new matter.